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CENTRAL INTELLIG	ENCE AGENCY	REPORT	
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COUNTRY Germany (Seviet Zone)		DATE DISTR.	26 dec 50
SUBJECT Manufacture of Electronic Instrume VVB "Mechanik", Askania—Reltow	nts a <b>t</b>	NO. OF PAGES	1
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- 1. The VVB "Mechanik", Askania-Teltow is working on an order for four shaking tables for testing equipment at a temperature of -70° C. Three refrigerating chambers, in which the shaking tables are to be operated, have been obtained at a total cost of one million DM (Ost) from an East Berlin firm. The first tests of the shaking tables were held late in August 1950 and resulted in the failure of the springs which were made of steel unsuitable for use at these low temperatures. The Russians stated that the tables were intended for testing ball-bearings, but it is believed in the factory that a more likely use would be the testing of instruments to be installed in high-flying aircraft or guided missiles.
- 2. The Russians have also ordered 60 oil injection pumps (Oeldosierungspumpen) to force thick oil (almost of the consistency of fat) through small holes at a steady rate of 150 atmospheres. The first models could not attain this pressure because of inefficient sealing and consequent leakage, and the aid of Obering. Schlenze, an expert in this field from a factory in Sangerhausen, has been requested. The Russians stated that the pumps were intended for use in rolling mills, but it is believed in the factory that they would be more likely to be used in jet engines.
- 3. Other instruments being manufactured include:
  - a. gravitation measuring instruments.
  - b. Magnetometers developed by Professor Manselau of the magnetic observatory in Niemegk (E49). Two magnetometers are made per month.
  - c. Instrument for measuring and recording sea currents at great depths, operating power for which will be supplied through a cable from the surface. This instrument is still under development.
  - d. Machine for balancing rotors rotating at high velocities.
- 4. The manufacture of gyroscopes will be resumed in the near future.

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